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(21) International Application Number: PCT/US99/16001 (22) International Filing Date: 15 July 1999 (15.07.99) (30) Priority Data: 60/093,163 17 July 1998 (17.07.98) US (71) Applicant (for all designated States except US): RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY [US/US]; Old Queens, Somerset Street, New Brunswick, NJ 08903 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): ZILINSKAS, Barbara, A. [US/US]; 31 Washington Avenue, Princeton, NJ 08540 (US). PITCHER, Lynne, H. [US/US]; 100 S. First Avenue, Highland Park, NJ 08904 (US). LAKKARAJU, Subha [IN/US]; 39 D Phelps Avenue, New Brunswick, NJ 08903 (US). (74) Agents: REED, Janet, E. et al.; Dann, Dorfman, Herrell and Skillman, Suite 720, 1601 Market Street, Philadelphia, PA 19103 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: AGROBACTERIUM-MEDIATED TRANSFORMATION OF TURFGRASS**(57) Abstract**

A method of obtaining transgenic turfgrass plants by an *Agrobacterium*-mediated transformation protocol is disclosed. The protocol makes use of a modified *Agrobacterium* vector system in which selectable marker genes and other genes of interest are operably linked to strong promoters from monocotyledenous plants, such as actin and ubiquitin promoters, that function efficiently in turfgrass cells. Transgenic turfgrass plants of several species, produced by the *Agrobacterium*-mediated transformation method, are also disclosed.